

LISTING OF CLAIMS:

Claims 1 – 3 (Canceled)

4. (Original) A vehicle brake system which sets target braking force for individual wheels and controls braking force for the individual wheels in accordance with the target braking force, the vehicle brake system comprising:

a noise detection unit which detects a generation state of a brake noise in the individual wheels; and

a control unit which selects, in accordance with the generation state of the brake noise of the individual wheels detected by the noise detection unit, a pair of diagonal wheels which are diagonally located and which include a wheel where the brake noise is generated as generating diagonal wheels among the wheels of the vehicle, reduces the target braking force for each of the generating diagonal wheels by a predetermined amount, and increases the target braking force for each of the pair of diagonal wheels other than the generating diagonal wheels by the predetermined amount.

5. (Original) The vehicle brake system according to claim 4, wherein the control unit selects a pair of diagonal wheels which include a wheel where the detected brake noise is most remarkable as the generating diagonal wheels.

6. (Original) The vehicle brake system according to claim 4, wherein, when the brake noise is detected in both front and rear wheels on the same one of the left and right sides, the control unit selects a pair of diagonal wheels which include the front wheel where the noise is detected as the generating diagonal wheels.

7. (Original) The vehicle brake system according to claim 4, wherein, when the brake noise is detected in one of a pair of front wheels and a pair of rear wheels, the control unit selects a pair of diagonal wheels which include a wheel where the brake noise is most remarkable as the generating diagonal wheels.

8. (Original) The vehicle brake system according to claim 4, wherein, when the brake noise is detected in three wheels, the control unit selects a pair of diagonal wheels where a noise is detected in both of the diagonal wheels are determined as the generating diagonal wheels.

9. (Canceled)

10. (Previously presented) The vehicle brake system according to claim 4, wherein the predetermined amount is a braking force to reduce brake noise by changing a resonance mode of friction members of the generating diagonal wheels.

11. (Canceled)

12. (Previously presented) The vehicle brake system according to claim 5, wherein the brake noise is determined to be most remarkable in the wheel with a largest corresponding amplitude of a detected frequency component.

Claims 13 – 17 (Canceled)